

Technical Instruction Sheet

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Characteristics:

AKEMI® Stone Protector is a ready for use, solvent-based, special impregnator containing reactive modified silicates. It is absorbed by the pores through the capillary forces of the stone. A polysiloxan results from the catalytic reaction. In addition, a reaction with the siliceous substance of the stone takes place. The product is distinguished by the following qualities:

- oil and grease repellent effect
- water and dirt resistant effect
- does not form a layer on the surface of the stone
- allows the stone to breathe
- excellent weather resistance and durability
- non-yellowing
- no odour nuisance during application
- odourless after hardening
- after being hardened the product is harmless to health upon contact with food products – certified by the “LGA Nürnberg”
- for indoor and outdoor use

Field of Application:

AKEMI® Stone Protector is used for water-, grease- and oil repellent treatment of mineral building material, e.g. natural and cast stones (polished, ground or rough surfaces of marble, lime stone, granite, gneiss, porphyry, cotto, terrazzo, fine stoneware, concrete unglazed ceramic tiles etc.) The product is especially used on stone floors, in kitchens (coatings, working plates), bathrooms (wash tables, marble tiles on wall and floor), for tables, window-sills, and tile joints.

Instructions for Use:

1. Cleaning: the surface must be clean, totally dry and free from all residues. Take care outdoors that the stone does not contain any detrimental salts (nitrates, sulphates, chlorides) because these can reduce the absorption of the impregnating material. Depending on the type of stone and the degree of soiling, the following products can be recommended, please pay attention to our care recommendations as well as our specification sheets: AKEMI® Concrete Film Remover, AKEMI® Rust Remover, AKEMI® Wax Stripper, AKEMI® Oil- and Grease Remover Paste, AKEMI® Graffiti Remover. Rinse well with water without fail after cleaning. Before the stone is given its protective treatment, it must be totally dry. As a rule, this is the case after 1-2 days at the earliest. Optimal working temperature is 15-25°C (59-77°F). Insure protection from rain for approx. 4-5 hrs.
2. Apply undiluted with a brush, paint roller or spraying device. Apply a thin, smooth layer, allowing sufficient time for the product to be absorbed into the stone.
3. Approx. 10-15 min. after application, remove the excess totally with an absorbent cloth.
4. On very absorbent surfaces, several applications may be necessary.
5. Tools can be cleaned with AKEMI® Nitro-Dilution.

Special Hints:

- Not suitable for glazed or non-absorbent surfaces. Limited applicability on fine ground or polished surfaces.
- An impregnation with AKEMI® Stone Protector prevents the stone from staining spots, respectively, the development of these spots will be delayed considerably. Should they nevertheless appear, the surface could be cleaned much more easily.
- Polished surfaces must be re-polished until the haze on the surface is completely removed.
- The grade of colour enhancement depends on the kind of stone. The deepening result on dark stones is more intensive than on light stones. Testing on a sample area is recommended.
- Unsuitable or aggressive cleaning agents as well as pressure washers may destroy the impregnation and the stone. We recommend to use AKEMI® Mild Stone Soap only for the regular cleaning. Even on stone surfaces impregnated with Stone Protector, it is possible that spots are forming after a long exposure time by aggressive products, s. a. juice, vinegar, alcohol or cosmetics. Yet, this formation is by far lower as on surfaces not being treated with Stone Protector. Spots can be avoided by immediately removing those aggressive products.
- Use AKEMI® Liquid Glove to protect your hands.
- If stored at a temperature less than 15°C (59°F), the product becomes cloudy. When the product adjusts to a temperature of 25°C (77°F), it will become clear again.
- Protect synthetic materials which are not resistant to solvents, window-screens, parts to be varnished or objects situated in the area of working (cars, gardens).
- For adequate waste disposal container must be completely emptied.

Technical Data:

Coverage:	approx. 20-30 m ² /litre
Colour:	water-clear
Density:	0.78 g/cm ³
Shelf life:	1 year approx. if stored in a cool place in its tightly closed original container.

Safety Measures:

see EC Safety Data Sheet

Notice:

The above specifications were made in accordance with the present-day stage in development and the application technology research of our firm. Because the ways and means of application are beyond our control, the manufacturer cannot be made liable for the contents of this specification sheet.